

IN THE CLAIMS

Please amend the claims as follows:

1. (original) A luminaire comprising a housing suitable for accommodating at least one light source for emitting a light beam through a light-transmitting plate of the housing, characterized in that a diffuse reflective coating is provided on an inner side of said housing, the diffuse reflective coating having a water-based solvent and a binder based on a polymer having the following structural formula:

- [-CR¹R²-CR³R⁴-] -

wherein R¹ comprises an element chosen from the group Br, Cl, I, F, H, wherein R² comprises an element chosen from the group Br, Cl, I, F, H, or an alkyl group, wherein R³ comprises an element chosen from the group Br, Cl, I, F, H, or COOCH₃, and wherein R⁴ comprises an element chosen from the group Br, Cl, I, F, H, OH, or vinylether.

2. (original) A luminaire according to claim 1, wherein said structural formula contains at least 30% by weight of the group Br, Cl, I, F, or COOCH₃.

3. (currently amended) A luminaire according to claim 1-~~or~~², wherein the solvent comprises at least 80 % by weight of water.

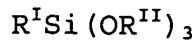
4. (currently amended) A luminaire according to claim 1,~~2 or 3~~, wherein the diffuse reflective coating is applied as a back reflector on the inner back surface of the housing.

5. (original) A luminaire according to claim 4, wherein the diffuse reflective coating reflects more than 90%, particularly more than 95% of normally incident light thereon.

6. (currently amended) A luminaire according to ~~any of the preceding claims 1 through 5~~claim 1, wherein the diffuse reflective coating is cross-linked with a polyisocyanate compound.

7. (original) A luminaire comprising a housing suitable for accomodating at least one light source for emitting a light beam through a light-transmitting plate of the housing, characterized in that said housing is provided with a diffuse reflective coating having a binder on the basis of organically modified silane of the sol-gel type, wherein said diffuse reflective coating is applied as a diffuser on the light-transmitting plate.

8. (original) A luminaire according to claim 7, wherein said organically modified silane has the following structural formula:



wherein R^1 comprises an alkyl group or an aryl group and wherein R^{II} comprises an alkyl group.

9. (currently amended) A luminaire according to ~~any of the preceding claims 1 through 6~~claim 1, wherein the diffuse reflective coating is applied as a diffuser on the light-transmitting plate.

10. (original) A luminaire according to claim 9, wherein the diffuse reflective coating transmits more than 60 %, particularly more than 70 % of normally incident back light thereon.

11. (currently amended) A luminaire according to claim 9-~~or~~10, wherein the diffuse reflective coating is provided with a layer that blocks ultraviolet light.

12. (original) A luminaire according to claim 11, wherein said layer is applied on one side and/or both sides of the diffuse reflective coating and/or within the diffuse reflective coating.

13. (currently amended) A luminaire according to claim 11-~~or 12~~, wherein said layer comprises a metal oxide chosen from the group of ZnO , M_2O_3 (M being B, Al, Sc, La or Y) and MO^2 (M being Ce, Ge, Sn, Ti, Zr, or Hf) or a metal phosphate chosen from the group of $M_x(PO_4)_n$ and $M_x(PO_3)_n$ (M being an alkali metal, an earth alkali metal, Al, Sc, Y, La, Ti, Zr. or Hf).

14. (currently amended) A luminaire according to ~~any of the preceding claims 1 through 13~~claim 1, wherein the diffuse reflective coating comprises calcium halophosphate, calcium pyrophosphate, $BaSO_4$, MgO , YBO_3 , TiO_2 , or Al_2O_3 particles.

15. (currently amended) Device with an LCD screen having a luminaire according to ~~any of the preceding claims 1 through 14~~claim 1.

16. (currently amended) Ceiling element or wall element having a luminaire according to ~~any of the preceding claims 1 through 14~~claim 1.